



Steven L. Beshear  
Governor

**ENVIRONMENTAL AND PUBLIC PROTECTION CABINET**

Robert D. Vance  
Secretary

DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
14 REILLY ROAD  
FRANKFORT, KENTUCKY 40601  
PHONE (502) 564-3410  
FAX (502) 564-5105  
www.kentucky.gov

March 14, 2008

Mr. Gary Asher  
Appolo Fuels Inc  
P.O Box 1727, Wesr Winchester Avenue Extension  
Middlesboro, KY 40965

Re: KPDES Application Complete  
KPDES No.: KY0049158  
Appolo Fuels Inc  
AI ID: 105  
Activity ID: APE20080001  
Bell County, Kentucky

Dear Mr. Asher

Your revised Kentucky Pollutant Discharge Elimination System (KPDES) permit application for the above-referenced facility was received by the Division of Water on January 28, 2008. A completeness review of your permit application has been conducted. Please be aware that you may be asked to provide additional information to clarify, modify, or supplement your application material. In accordance with 401 KAR 5:075, Section 1(7) you are being provided written notification that your application has been deemed complete as of the date of this letter.

If you have any questions concerning this matter, please call me at (502) 564-8158, extension 652.

Sincerely,

**Allen Ingram II**  
Environmental Engineer Assistant I  
KPDES Branch  
Division of Water

ALI  
Enclosures  
c: London Regional Office  
Division of Water Files

Howard Engineering & Geology, Inc.

Box 271  
2550 W. Hwy 72 Suite 1  
Harlan, Ky 40831  
E-Mail: rlee@Howdeng-geo.com  
Phone: (606) 573-6924  
Fax: 606-573-9543

January 24, 2008

Natural Resources & Environmental Protection Cabinet  
Department for Environmental Protection  
Division of Water  
Frankfort Office Park, 14 Reilly Road  
Frankfort, Kentucky 40601

JAN 28 2008

Subject: Appolo Fuels, Incorporated  
NPDES No.: KY0049158 (Renewal Application)  
DSMRE No. 848-8005

Dear Sir:

Attached please find Form 1 and Form C for the above referenced KPDES permit renewal application. A General Location Map on the Harlan/Rose Hill 7 ½ minute, USGS topographic map and a cashier's check for \$640.00 for application fee, have been included. Please contact our office if you need any additional information.

Sincerely,



Robert Lee

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

JAN 28 2008

### PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.  
☒ Apply for reissuance of expiring permit.  
☐ Apply for a construction permit.  
☐ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Short Form C

For additional information contact:

KPDES Branch (502) 564-3410

\$640.00

I. FACILITY LOCATION AND CONTACT INFORMATION		AGENCY USE	0	0	4	9	1	5	8
A. Name of business, municipality, company, etc. requesting permit Appolo Fuels, Inc.									
B. Facility Name and Location					C. Facility Owner/Mailing Address				
Facility Location Name:					Owner Name:				
Appolo Fuels, Inc.					Appolo Fuels, Inc.				
Facility Location Address (i.e. street, road, etc.):					Mailing Street:				
West Winchester Avenue Extension					P.O. Box 1727, West Winchester Avenue Extension				
Facility Location City, State, Zip Code:					Mailing City, State, Zip Code:				
Middlesboro, KY 40965					Middlesboro, KY 40965				
					Telephone Number: 606-248-1535				

II. FACILITY DESCRIPTION			
A. Provide a brief description of activities, products, etc: Sediment Pond Discharge/Coal Mining Activities.			
B. Standard Industrial Classification (SIC) Code and Description			
Principal SIC Code & Description:	1221 - Same as "A" above		
Other SIC Codes:			

III. FACILITY LOCATION	
A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)	
B. County where facility is located: Bell	City where facility is located (if applicable): Bennetts Fork
C. Body of water receiving discharge: Upper Cumberland River	
D. Facility Site Latitude (degrees, minutes, seconds): 36-36-03	Facility Site Longitude (degrees, minutes, seconds): 83-45-14
E. Method used to obtain latitude & longitude (see instructions): USGS 7 1/2 topographic quadrangle map	
F. Facility Dun and Bradstreet Number (DUNS #) (if applicable): N/A	

**IV. OWNER/OPERATOR INFORMATION****A. Type of Ownership:**☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned**B. Operator Contact Information (See instructions)**

Name of Treatment Plant Operator:

N/A

Telephone Number:

Operator Mailing Address (Street):

N/A

Operator Mailing Address (City, State, Zip Code):

N/A

Is the operator also the owner?

Yes ☐ No ☐

Is the operator certified? If yes, list certification class and number below.

Yes ☐ No ☐

Certification Class:

N/A

Certification Number:

**V. EXISTING ENVIRONMENTAL PERMITS**

Current NPDES Number:

KY0049158

Issue Date of Current Permit:

7-30-2004

Expiration Date of Current Permit:

7-31-2008

Number of Times Permit Reissued:

6

Date of Original Permit Issuance:

7-26-86

Sludge Disposal Permit Number:

N/A

Kentucky DOW Operational Permit #:

Kentucky DSMRE Permit Number(s):

807-8005

N/A

C. Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source	N/A	
Solid or Special Waste	N/A	
Hazardous Waste - Registration or Permit	N/A	

**VI. DISCHARGE MONITORING REPORTS (DMRs)**

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). The information in this section serves to specifically identify the department, office or individual you designate as responsible for submitting DMR forms to the Division of Water.

A. Name of department, office or official submitting DMRs:	Technical Water Laboratories, Inc.
B. Address where DMR forms are to be sent. (Complete only if address is different from mailing address in Section I.)	
DMR Mailing Name:	DNR/Middlesboro Regional Office
DMR Mailing Street:	1804 East Cumberland Avenue
DMR Mailing City, State, Zip Code:	Middlesboro, KY 40965
DMR Official Telephone Number:	606-248-6166

## VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category:

Filing Fee Enclosed:

Major Industry

\$640.00

## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):

TELEPHONE NUMBER (area code and number):

Gary Asher, President

606-248-1535

SIGNATURE

DATE:

*Gary Asher*

1 - 25 - 08

# **KPDES FORM C**

## **KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM**

JAN 28 2008

## **PERMIT APPLICATION**

A complete application consists of this form and Form 1.  
For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Appolo Fuels, Inc.				County: Bell			
<b>I. OUTFALL LOCATION</b>				AGENCY USE			

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
Same as Original							

## **II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES**

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
Same as Original				

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)**

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ Yes (Complete the following table.)

☒ No (Go to Section III.)

OUTFALL NUMBER  (list)	OPERATIONS CONTRIBUTING FLOW  (list)	FREQUENCY		Flow Rate (in mgd)		FLOW Total volume (specify with units)		Duration (in days)
		Days Per Week	Months Per Year					
		(specify average)	(specify average)	Long-Term Average	Maximum Daily	Long-Term Average	Maximum Daily	

**III. MAXIMUM PRODUCTION**

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ Yes (Complete Item III-B) List effluent guideline category:

☒ No (Go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?

☐ Yes (Complete Item III-C)

☒ No (Go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

MAXIMUM QUANTITY			Affected Outfalls (list outfall numbers)
Quantity Per Day	Units of Measure	Operation, Product, Material, Etc. (specify)	

**IV. IMPROVEMENTS**

A. Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

☐ Yes (Complete the following table)

☒ No (Go to Item IV-B)

IDENTIFICATION OF CONDITION AGREEMENT, ETC.	AFFECTED OUTFALLS		BRIEF DESCRIPTION OF PROJECT	FINAL COMPLIANCE DATE	
	No.	Source of Discharge		Required	Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

## V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

POLLUTANT	SOURCE	POLLUTANT	SOURCE
N/A			

## VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you use or produce, or expect to use or produce over the next 5 years as an immediate or final product or byproduct?

☐

Yes (List all such pollutants below)

☒

No (Go to Item VI-B)

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharge of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

☐

Yes (Complete Item VI-C)

☒

No (Go to Item VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail to the best of your ability at this time the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years. Continue on additional sheets if you need more space.



**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (Identify the test(s) and describe their purposes below)

☒ No (Go to Section VIII)

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☐ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below)

☒ No (Go to Section IX)

NAME	ADDRESS	TELEPHONE (Area code & number)	POLLUTANTS ANALYZED (list)

**IX. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print): Gary Asher, President	TELEPHONE NUMBER (area code and number): 606-248-1535
SIGNATURE <i>Gary Asher</i>	DATE 1-25-08

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)										OUTFALL NO.		
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.												
1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	12.0	Mg/l										
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE 41.2		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE 74		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM 6.43	MAXIMUM 8.43	MINIMUM 7.0	MAXIMUM 7.81				STANDARD UNITS				

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
a. Bromide (24959-67-9)		X													
b. Bromine Total Residual		X													
c. Chloride		X													
d. Chlorine, Total Residual		X													
e. Color		X													
f. Fecal Coliform		X													
g. Fluoride (16984-48-8)		X													
h. Hardness (as CaCO <sub>3</sub> )	X		327	Mg/L											
i. Nitrate – Nitrite (as N)		X													
j. Nitrogen, Total Organic (as N)		X													
k. Oil and Grease		X													
l. Phosphorous (as P), Total 7723-14-0		X													
m. Radioactivity															
(1) Alpha, Total		X													
(2) Beta, Total		X													
(3) Radium Total		X													
(4) Radium, 226, Total		X													

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
			(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
			Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)			78	Mg/l										
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		7.0	Mg/l	3.5	Mg/l								
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		4.0	Mg/l	2.0	Mg/l								
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C**—If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark “X” in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark “X” in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark “X” in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

One table (all seven pages) for each outfall. See instructions for additional details and requirements.																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS																
1M. Antimony Total (7440-36-0)	X			0.003	Mg/L											
2M. Arsenic, Total (7440-38-2)	X			0.001	Mg/L											
3M. Beryllium Total (7440-41-7)	X			0.003	Mg/L											
4M. Cadmium Total (7440-43-9)	X			0.003	Mg/L											
5M. Chromium Total (7440-43-9)	X			0.002	Mg/L											
6M. Copper Total (7550-50-8)	X			0.01	Mg/L											
7M. Lead Total (7439-92-1)	X			0.002	Mg/L											
8M. Mercury Total (7439-97-6)	X			0.001	Mg/L											
9M. Nickel, Total (7440-02-0)	X			0.01	Mg/L											
10M. Selenium, Total (7782-49-2)	X			0.002	Mg/L											
11M. Silver, Total (7440-28-0)	X			0.01	Mg/L											

Part C – Continued																
1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
<b>METALS, CYANIDE AND TOTAL PHENOLS (Continued)</b>																
12M. Thallium, Total (7440-28-0)	X			0.1	Mg/L											
13M. Zinc, Total (7440-66-6)	X			0.004	Mg/L											
14M. Cyanide, Total (57-12-5)	X			0.01	Mg/L											
15M. Phenols, Total	X			0.01	Mg/L											
<b>DIOXIN</b>																
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:												
<b>GC/MS FRACTION – VOLATILE COMPOUNDS</b>																
1V. Acrolein (107-02-8)			X													
2V. Acrylonitrile (107-13-1)			X													
3V. Benzene (71-43-2)			X													
5V. Bromoform (75-25-2)			X													
6V. Carbon Tetrachloride (56-23-5)			X													
7V. Chloro- benzene (108-90-7)			X													
8V. Chlorodibro- momethane (124-48-1)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro-bromomethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X												
15V. 1,2-Dichloroethane (107-06-2)			X												
16V. 1,1-Dichlorethylene (75-35-4)			X												
17V. 1,2-Di-chloropropane (78-87-5)			X												
18V. 1,3-Dichloropro-pylene (452-75-6)			X												
19V. Ethyl-benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
21V. Methyl Chloride (74-87-3)			X												
22V. Methylene Chloride (75-00-2)			X												
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X												
27V. 1,1,1-Tri- chloroethane (71-55-6)			X												
28V. 1,1,2-Tri- chloroethane (79-00-5)			X												
29V. Trichloro- ethylene (79-01-6)			X												
30V. Vinyl Chloride (75-01-4)			X												



## Part C – Continued

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a.		b. No. of Analyses	
				Maximum Daily Value		Concentration		Mass					Long-Term Avg Value			
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichlor-Orophenol (120-83-2)			X													
3A. 2,4-Dimeth-ylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitro-phenol (51-28-5)			X													
6A. 2-Nitro-phenol (88-75-5)			X													
7A. 4-Nitro-phenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Tri-chlorophenol (88-06-2)			X													
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acena-phthene (83-32-9)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
2B. Acena- phtylene (208-96-8)			X												
3B. Anthra- cene (120-12-7)			X												
4B. Benzidine (92-87-5)			X												
5B. Benzo(a)- anthracene (56-55-3)			X												
6B. Benzo(a)- pyrene (50-32-8)			X												
7B. 3,4-Benzo- fluoranthene (205-99-2)			X												
8B. Benzo(ghi) perylene (191-24-2)			X												
9B. Benzo(k)- fluoranthene (207-08-9)			X												
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X												
11B. Bis (2-chlor- oisopropyl)- Ether			X												
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X												

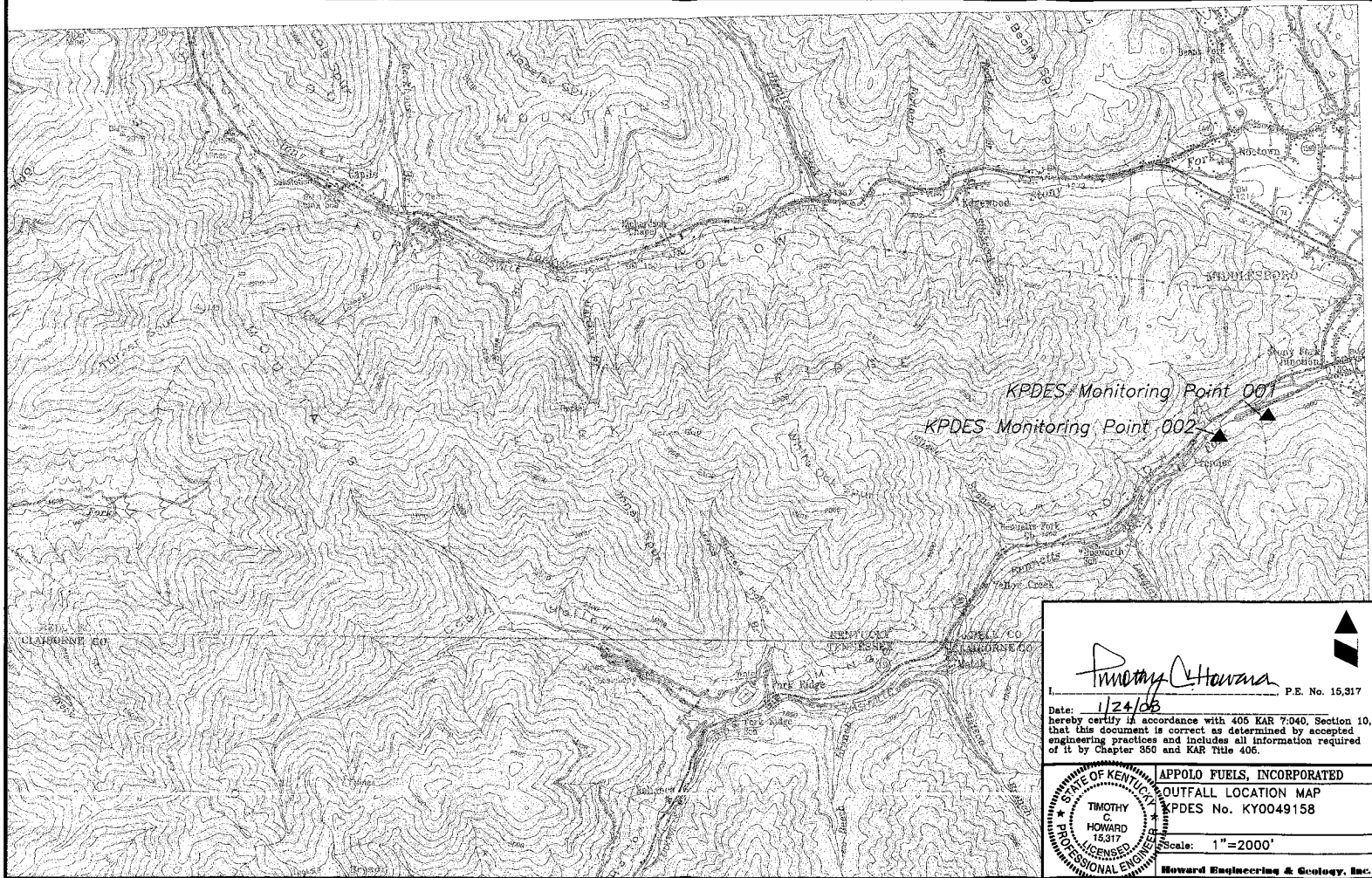
Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X												
14B. Butyl-benzyl phthalate (85-68-7)			X												
15B. 2-Chloro-naphthalene (7005-72-3)			X												
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X												
17B. Chrysene (218-01-9)			X												
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X												
19B. 1,2-Dichloro-benzene (95-50-1)			X												
20B. 1,3-Dichloro-Benzene (541-73-1)			X												
21B. 1,4-Dichloro-benzene (106-46-7)			X												
22B. 3,3-Dichloro-benzidene (91-94-1)			X												
23B. Diethyl Phthalate (84-66-2)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			X												
25B. Di-N- butyl Phthalate (84-74-2)			X												
26B. 2,4-Dinitro- toluene (121-14-2)			X												
27B. 2,6-Dinitro- toluene (606-20-2)			X												
28B. Di-n-octyl Phthalate (117-84-0)			X												
29B. 1,2- diphenyl- hydrazine (as azonbenzene) (122-66-7)			X												
30B. Fluoranthene (208-44-0)			X												
31B. Fluorene (86-73-7)			X												
32B. Hexachloro- benzene (118-71-1)			X												
33B. Hexachloro- butadiene (87-68-3)			X												
34B. Hexachloro- cyclopenta- diene (77-47-4)			X												

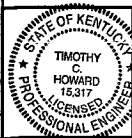
Part C – Continued																
1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
35B. Hexachloroethane (67-72-1)			X													
36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5)			X													
37B. Isophorone (78-59-1)			X													
38B. Napthalene (91-20-3)			X													
39B. Nitrobenzene (98-95-3)			X													
40B. N-Nitroso-dimethylamine (62-75-9)			X													
41B. N-nitrosodi-n-propylamine (621-64-7)			X													
42B. N-nitro-sodiphenylamine (86-30-6)			X													
43B. Phenanthrene (85-01-8)			X													
44B. Pyrene (129-00-0)			X													
45B. 1,2,4 Trichlorobenzene (120-82-1)			X													

Part C – Continued															
1. POLLUTANT And CAS NO. (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (58-89-9)			X												
4P. gamma-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4’-DDT (50-29-3)			X												
8P. 4,4’-DDE (72-55-9)			X												
9P. 4,4’-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α- Endosulfan (115-29-7)			X												
12P. β- Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												



*Timothy C. Howard*  
I, Timothy C. Howard P.E. No. 15,317  
Date: 1/24/08  
hereby certify in accordance with 405 KAR 7:040, Section 10,  
that this document is correct as determined by accepted  
engineering practices and includes all information required  
of it by Chapter 350 and KAR Title 405.

	APPOLO FUELS, INCORPORATED
	OUTFALL LOCATION MAP
	KPDES No. KY0049158

Scale: 1"=2000'  
Howard Engineering & Geology, Inc.



Howard Engineering & Geology, Inc.

Box 271  
2550 W. Hwy 72 Suite 1  
Harlan, Ky 40831  
E-Mail: rlee@howrdeng-geo.com  
Phone: (606) 573-6924  
Fax: 606-573-9543

January 24, 2008

Natural Resources & Environmental Protection Cabinet  
Department for Environmental Protection  
Division of Water  
Frankfort Office Park, 14 Reilly Road  
Frankfort, Kentucky 40601

JAN 28 2008

Subject: Appolo Fuels, Incorporated  
NPDES No.: KY0049158 (Renewal Application)  
DSMRE No. 848-8005

Dear Sir:

Attached please find Form 1 and Form C for the above referenced KPDES permit renewal application. A General Location Map on the Harlan/Rose Hill 7 ½ minute, USGS topographic map and a cashier's check for \$640.00 for application fee, have been included. Please contact our office if you need any additional information.

Sincerely,

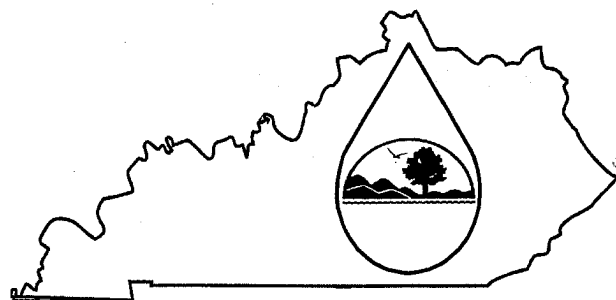
A handwritten signature in black ink that reads "Robert Lee". The signature is fluid and cursive, with the first name "Robert" and the last name "Lee" clearly distinguishable.

Robert Lee

# KPDES FORM 1

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION



This is an application to: (check one)

- ☐ Apply for a new permit.  
☒ Apply for reissuance of expiring permit.  
☐ Apply for a construction permit.  
☐ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Short Form C

For additional information contact:

KPDES Branch (502) 564-3410

I. FACILITY LOCATION AND CONTACT INFORMATION		AGENCY USE							
A. Name of business, municipality, company, etc. requesting permit Appolo Fuels, Inc.									
B. Facility Name and Location					C. Facility Owner/Mailing Address				
Facility Location Name:					Owner Name:				
Appolo Fuels, Inc.					Appolo Fuels, Inc.				
Facility Location Address (i.e. street, road, etc.):					Mailing Street:				
West Winchester Avenue Extension					P.O. Box 1727, West Winchester Avenue Extension				
Facility Location City, State, Zip Code:					Mailing City, State, Zip Code:				
Middlesboro, KY 40965					Middlesboro, KY 40965				
					Telephone Number:				
					606-248-1535				

II. FACILITY DESCRIPTION			
A. Provide a brief description of activities, products, etc: Sediment Pond Discharge/Coal Mining Activities.			
B. Standard Industrial Classification (SIC) Code and Description			
Principal SIC Code & Description:		1221 - Same as "A" above	
Other SIC Codes:			

III. FACILITY LOCATION	
A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)	
B. County where facility is located: Bell	City where facility is located (if applicable): Bennetts Fork
C. Body of water receiving discharge: Upper Cumberland River	
D. Facility Site Latitude (degrees, minutes, seconds): 36-36-03	Facility Site Longitude (degrees, minutes, seconds): 83-45-14
E. Method used to obtain latitude & longitude (see instructions): USGS 7 1/2 topographic quadrangle map	
F. Facility Dun and Bradstreet Number (DUNS #) (if applicable): N/A	

**IV. OWNER/OPERATOR INFORMATION****A. Type of Ownership:**

☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned

**B. Operator Contact Information (See instructions)**

Name of Treatment Plant Operator:

N/A

Telephone Number:

Operator Mailing Address (Street):

N/A

Operator Mailing Address (City, State, Zip Code):

N/A

Is the operator also the owner?

Yes ☐ No ☐

Is the operator certified? If yes, list certification class and number below.

Yes ☐ No ☐

Certification Class:

N/A

Certification Number:

**V. EXISTING ENVIRONMENTAL PERMITS**

Current NPDES Number:

KY0049158

Issue Date of Current Permit:

7-30-2004

Expiration Date of Current Permit:

7-31-2008

Number of Times Permit Reissued:

6

Date of Original Permit Issuance:

7-26-86

Sludge Disposal Permit Number:

N/A

Kentucky DOW Operational Permit #:

Kentucky DSMRE Permit Number(s):

807-8005

N/A

**C. Which of the following additional environmental permit/registration categories will also apply to this facility?**

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source	N/A	
Solid or Special Waste	N/A	
Hazardous Waste - Registration or Permit	N/A	

**VI. DISCHARGE MONITORING REPORTS (DMRs)**

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). The information in this section serves to specifically identify the department, office or individual you designate as responsible for submitting DMR forms to the Division of Water.

A. Name of department, office or official submitting DMRs:	Technical Water Laboratories, Inc.
B. Address where DMR forms are to be sent. (Complete only if address is different from mailing address in Section I.)	
DMR Mailing Name:	DNR/Middlesboro Regional Office
DMR Mailing Street:	1804 East Cumberland Avenue
DMR Mailing City, State, Zip Code:	Middlesboro, KY 40965
DMR Official Telephone Number:	606-248-6166


## VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. Descriptions of the base fee amounts are given in the "General Instructions."

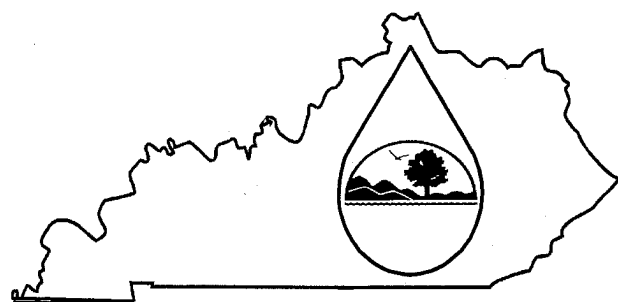
Facility Fee Category:	Filing Fee Enclosed:
Major Industry	\$640.00

## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Gary Asher, President	606-248-1535
SIGNATURE 	DATE:  1 - 25 - 08

# KPDES FORM C



## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

JAN 28 2008

### PERMIT APPLICATION

A complete application consists of this form and Form 1.  
For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Appolo Fuels, Inc.				County: Bell			
<b>I. OUTFALL LOCATION</b>				AGENCY USE			

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
Same as Original							

## II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
Same as Original				

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)**

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ Yes (Complete the following table.)

☒ No (Go to Section III.)

OUTFALL NUMBER	OPERATIONS CONTRIBUTING FLOW	FREQUENCY		FLOW				
		Days Per Week	Months Per Year	Flow Rate (in mgd)		Total volume (specify with units)		Duration (in days)
				Long-Term Average	Maximum Daily	Long-Term Average	Maximum Daily	
(list)	(list)	(specify average)	(specify average)					

**III. MAXIMUM PRODUCTION**

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ Yes (Complete Item III-B) List effluent guideline category:

☒ No (Go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?

☐ Yes (Complete Item III-C)

☒ No (Go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

MAXIMUM QUANTITY			Affected Outfalls (list outfall numbers)
Quantity Per Day	Units of Measure	Operation, Product, Material, Etc. (specify)	

**IV. IMPROVEMENTS**

A. Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

☐ Yes (Complete the following table)

☒ No (Go to Item IV-B)

IDENTIFICATION OF CONDITION AGREEMENT, ETC.	AFFECTED OUTFALLS		BRIEF DESCRIPTION OF PROJECT	FINAL COMPLIANCE DATE	
	No.	Source of Discharge		Required	Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

**V. INTAKE AND EFFLUENT CHARACTERISTICS**

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

POLLUTANT	SOURCE	POLLUTANT	SOURCE
N/A			

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you use or produce, or expect to use or produce over the next 5 years as an immediate or final product or byproduct?

☐

Yes (List all such pollutants below)

☒

No (Go to Item VI-B)

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharge of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

☐

Yes (Complete Item VI-C)

☒

No (Go to Item VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail to the best of your ability at this time the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years. Continue on additional sheets if you need more space.

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (Identify the test(s) and describe their purposes below)

☒ No (Go to Section VIII)

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?


☐ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below)

☒ No (Go to Section IX)

NAME	ADDRESS	TELEPHONE (Area code & number)	POLLUTANTS ANALYZED (list)

**IX. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print): Gary Asher, President	TELEPHONE NUMBER (area code and number): 606-248-1535
SIGNATURE 	DATE 1-25-08



**PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY.** You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)										OUTFALL NO.		
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.												
1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	12.0	Mg/l										
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE 41.2		VALUE		VALUE			°c		VALUE		
h. Temperature (summer)	VALUE 74		VALUE		VALUE			°c		VALUE		
i. pH	MINIMUM 6.43	MAXIMUM 8.43	MINIMUM 7.0	MAXIMUM 7.81				STANDARD UNITS				

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
															(1) Concentration
a. Bromide (24959-67-9)		X													
b. Bromine Total Residual		X													
c. Chloride		X													
d. Chlorine, Total Residual		X													
e. Color		X													
f. Fecal Coliform		X													
g. Fluoride (16984-48-8)		X													
h. Hardness (as CaCO <sub>3</sub> )	X		327	Mg/L											
i. Nitrate – Nitrite (as N)		X													
j. Nitrogen, Total Organic (as N)		X													
k. Oil and Grease		X													
l. Phosphorous (as P), Total 7723-14-0		X													
m. Radioactivity															
(1) Alpha, Total		X													
(2) Beta, Total		X													
(3) Radium Total		X													
(4) Radium, 226, Total		X													

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a.		b. No. of Analyses
			Maximum Daily Value		(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				Long-Term Avg. Value		
			(1) Concentration	(2) Mass								(1) Concentration	(2) Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)			78	Mg/l										
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		7.0	Mg/	3.5	Mg/								
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		4.0	Mg/	2.0	Mg/								
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C** – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark “X” in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark “X” in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark “X” in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

One table (all seven pages) for each plant. See instructions for additional details and requirements.																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS																
1M. Antimony Total (7440-36-0)	X			0.003	Mg/L											
2M. Arsenic, Total (7440-38-2)	X			0.001	Mg/L											
3M. Beryllium Total (7440-41-7)	X			0.003	Mg/L											
4M. Cadmium Total (7440-43-9)	X			0.003	Mg/L											
5M. Chromium Total (7440-43-9)	X			0.002	Mg/L											
6M. Copper Total (7550-50-8)	X			0.01	Mg/L											
7M. Lead Total (7439-92-1)	X			0.002	Mg/L											
8M. Mercury Total (7439-97-6)	X			0.001	Mg/L											
9M. Nickel, Total (7440-02-0)	X			0.01	Mg/L											
10M. Selenium, Total (7782-49-2)	X			0.002	Mg/L											
11M. Silver, Total (7440-28-0)	X			0.01	Mg/L											

Part C – Continued																	
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses		
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass			
<b>METALS, CYANIDE AND TOTAL PHENOLS (Continued)</b>																	
12M. Thallium, Total (7440-28-0)	X			0.1	Mg/L												
13M. Zinc, Total (7440-66-6)	X			0.004	Mg/L												
14M. Cyanide, Total (57-12-5)	X			0.01	Mg/L												
15M. Phenols, Total	X			0.01	Mg/L												
<b>DIOXIN</b>																	
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:													
<b>GC/MS FRACTION – VOLATILE COMPOUNDS</b>																	
1V. Acrolein (107-02-8)			X														
2V. Acrylonitrile (107-13-1)			X														
3V. Benzene (71-43-2)			X														
5V. Bromoform (75-25-2)			X														
6V. Carbon Tetrachloride (56-23-5)			X														
7V. Chloro- benzene (108-90-7)			X														
8V. Chlorodibro- momethane (124-48-1)			X														

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro-bromomethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X												
15V. 1,2-Dichloroethane (107-06-2)			X												
16V. 1,1-Dichlorethylene (75-35-4)			X												
17V. 1,2-Di-chloropropane (78-87-5)			X												
18V. 1,3-Dichloropro-pylene (452-75-6)			X												
19V. Ethyl-benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

Part C – Continued

1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
21V. Methyl Chloride (74-87-3)			X													
22V. Methylene Chloride (75-00-2)			X													
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X													
24V. Tetrachloro- ethylene (127-18-4)			X													
25V. Toluene (108-88-3)			X													
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X													
27V. 1,1,1-Tri- chloroethane (71-55-6)			X													
28V. 1,1,2-Tri- chloroethane (79-00-5)			X													
29V. Trichloro- ethylene (79-01-6)			X													
30V. Vinyl Chloride (75-01-4)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichloro-phenol (120-83-2)			X													
3A. 2,4-Dimethylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitro-phenol (51-28-5)			X													
6A. 2-Nitro-phenol (88-75-5)			X													
7A. 4-Nitro-phenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Trichlorophenol (88-06-2)			X													
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X													



Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
2B. Acena- phtylene (208-96-8)			X													
3B. Anthra- cene (120-12-7)			X													
4B. Benzidine (92-87-5)			X													
5B. Benzo(a)- anthracene (56-55-3)			X													
6B. Benzo(a)- pyrene (50-32-8)			X													
7B. 3,4-Benzo- fluoranthene (205-99-2)			X													
8B. Benzo(ghi) perylene (191-24-2)			X													
9B. Benzo(k)- fluoranthene (207-08-9)			X													
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X													
11B. Bis (2-chlor- oisopropyl)- Ether			X													
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X													

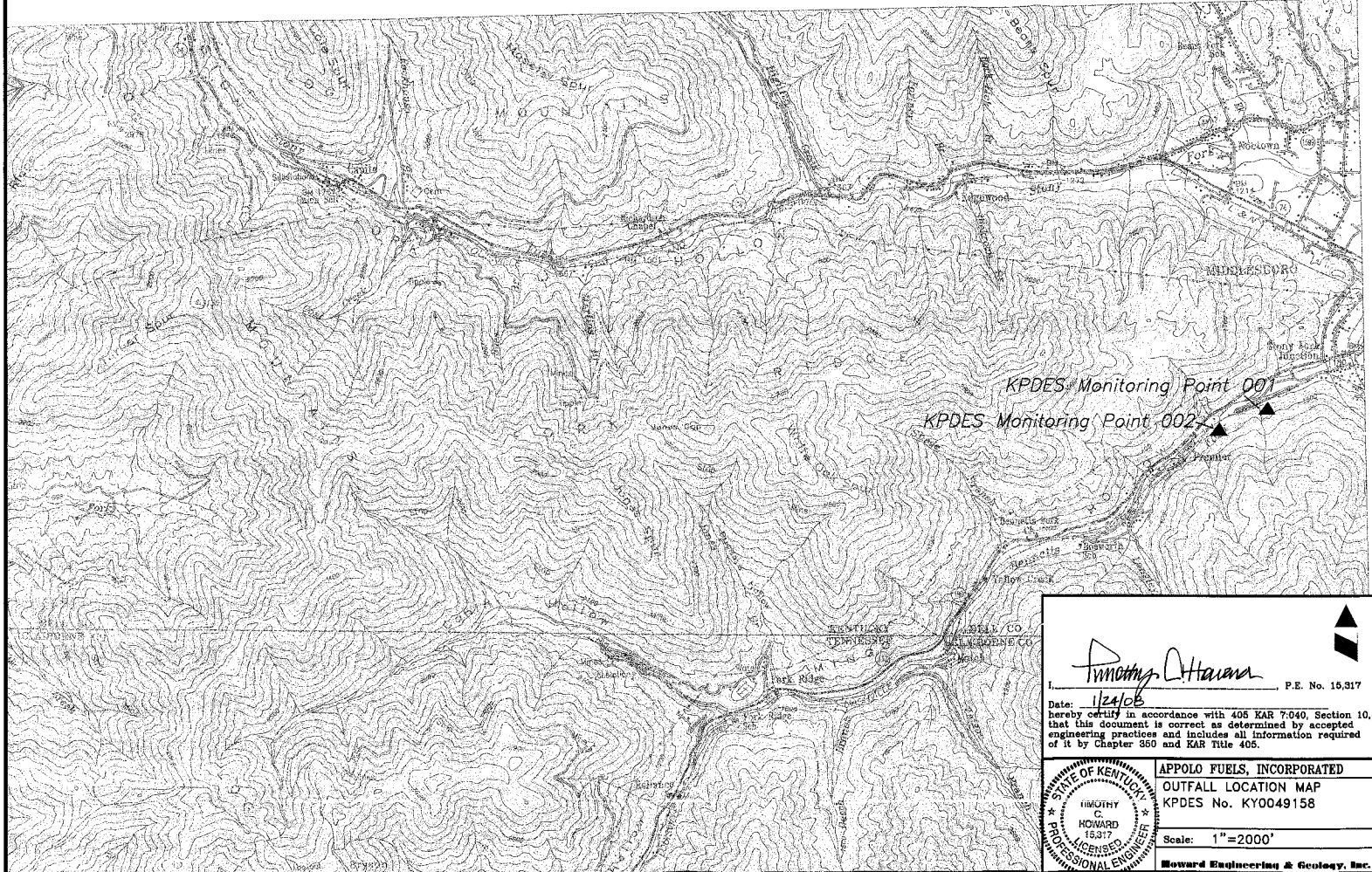
Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X													
14B. Butyl-benzyl phthalate (85-68-7)			X													
15B. 2-Chloro-naphthalene (7005-72-3)			X													
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X													
17B. Chrysene (218-01-9)			X													
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X													
19B. 1,2-Dichloro-benzene (95-50-1)			X													
20B. 1,3-Dichloro-Benzene (541-73-1)			X													
21B. 1,4-Dichloro-benzene (106-46-7)			X													
22B. 3,3-Dichloro-benzidene (91-94-1)			X													
23B. Diethyl Phthalate (84-66-2)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
24B. Dimethyl Phthalate (131-11-3)			X													
25B. Di-N-butyl Phthalate (84-74-2)			X													
26B. 2,4-Dinitro-toluene (121-14-2)			X													
27B. 2,6-Dinitro-toluene (606-20-2)			X													
28B. Di-n-octyl Phthalate (117-84-0)			X													
29B. 1,2-diphenyl-hydrazine (as azonbenzene) (122-66-7)			X													
30B. Fluoranthene (208-44-0)			X													
31B. Fluorene (86-73-7)			X													
32B. Hexachloro-benzene (118-71-1)			X													
33B. Hexachloro-butadiene (87-68-3)			X													
34B. Hexachloro-cyclopenta-diene (77-47-4)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
35B. Hexachloroethane (67-72-1)			X													
36B. Indeno-(1,2,3-cd)-Pyrene (193-39-5)			X													
37B. Isophorone (78-59-1)			X													
38B. Napthalene (91-20-3)			X													
39B. Nitrobenzene (98-95-3)			X													
40B. N-Nitrosodimethylamine (62-75-9)			X													
41B. N-nitrosodipropylamine (621-64-7)			X													
42B. N-nitrosodiphenylamine (86-30-6)			X													
43B. Phenanthrene (85-01-8)			X													
44B. Pyrene (129-00-0)			X													
45B. 1,2,4 Trichlorobenzene (120-82-1)			X													

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a.		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a.		b. No. of Analyses
				Maximum Daily Value		Concentration		Mass					Long-Term Avg. Value		
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (58-89-9)			X												
4P. gamma-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4’-DDT (50-29-3)			X												
8P. 4,4’-DDE (72-55-9)			X												
9P. 4,4’-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α- Endosulfan (115-29-7)			X												
12P. β- Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	Concentration
GC/MS FRACTION – PESTICIDES															
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												



*Timothy C. Howard*  
P.E. No. 15,317

Date: 1/24/06  
hereby certify in accordance with 405 KAR 7:040, Section 10,  
that this document is correct as determined by accepted  
engineering practices and includes all information required  
of it by Chapter 350 and KAR Title 405.

	<b>APPOLO FUELS, INCORPORATED</b>
	<b>OUTFALL LOCATION MAP</b>
	<b>KPDES No. KY0049158</b>
	<b>Scale: 1"=2000'</b>

**Howard Engineering & Geology, Inc.**

Howard Engineering & Geology, Inc.

Box 271  
2550 W. Hwy 72 Suite 1  
Harlan, Ky 40831  
E-Mail: rlee@howrdeng-geo.com  
Phone: (606) 573-6924  
Fax: 606-573-9543

JAN 28 2008

January 24, 2008

Natural Resources & Environmental Protection Cabinet  
Department for Environmental Protection  
Division of Water  
Frankfort Office Park, 14 Reilly Road  
Frankfort, Kentucky 40601

Subject: Appolo Fuels, Incorporated  
NPDES No.: KY0049158 (Renewal Application)  
DSMRE No. 848-8005

Dear Sir:

Attached please find Form 1 and Form C for the above referenced KPDES permit renewal application. A General Location Map on the Harlan/Rose Hill 7 ½ minute, USGS topographic map and a cashier's check for \$640.00 for application fee, have been included. Please contact our office if you need any additional information.

Sincerely,

A handwritten signature in black ink that reads "Robert Lee". The signature is fluid and cursive, with the first name "Robert" and the last name "Lee" clearly distinguishable.

Robert Lee



# KPDES FORM 1

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

JAN 28 2008

### PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.  
☒ Apply for reissuance of expiring permit.  
☐ Apply for a construction permit.  
☐ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Short Form C

For additional information contact:

KPDES Branch (502) 564-3410

I. FACILITY LOCATION AND CONTACT INFORMATION		AGENCY USE							
A. Name of business, municipality, company, etc. requesting permit Appolo Fuels, Inc.									
B. Facility Name and Location					C. Facility Owner/Mailing Address				
Facility Location Name:  Appolo Fuels, Inc.					Owner Name:  Appolo Fuels, Inc.				
Facility Location Address (i.e. street, road, etc.):  West Winchester Avenue Extension					Mailing Street:  P.O. Box 1727, West Winchester Avenue Extension				
Facility Location City, State, Zip Code:  Middlesboro, KY 40965					Mailing City, State, Zip Code:  Middlesboro, KY 40965				
					Telephone Number: 606-248-1535				

II. FACILITY DESCRIPTION			
A. Provide a brief description of activities, products, etc: Sediment Pond Discharge/Coal Mining Activities.			
B. Standard Industrial Classification (SIC) Code and Description			
Principal SIC Code & Description:	1221 - Same as "A" above		
Other SIC Codes:			

III. FACILITY LOCATION	
A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)	
B. County where facility is located: Bell	City where facility is located (if applicable): Bennetts Fork
C. Body of water receiving discharge: Upper Cumberland River	
D. Facility Site Latitude (degrees, minutes, seconds): 36-36-03	Facility Site Longitude (degrees, minutes, seconds): 83-45-14
E. Method used to obtain latitude & longitude (see instructions): USGS 7 1/2 topographic quadrangle map	
F. Facility Dun and Bradstreet Number (DUNS #) (if applicable): N/A	

**IV. OWNER/OPERATOR INFORMATION****A. Type of Ownership:**☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned**B. Operator Contact Information (See instructions)**

Name of Treatment Plant Operator:

N/A

Telephone Number:

Operator Mailing Address (Street):

N/A

Operator Mailing Address (City, State, Zip Code):

N/A

Is the operator also the owner?

Yes ☐ No ☐

Is the operator certified? If yes, list certification class and number below.

Yes ☐ No ☐

Certification Class:

N/A

Certification Number:

**V. EXISTING ENVIRONMENTAL PERMITS**

Current NPDES Number:

KY0049158

Issue Date of Current Permit:

7-30-2004

Expiration Date of Current Permit:

7-31-2008

Number of Times Permit Reissued:

6

Date of Original Permit Issuance:

7-26-86

Sludge Disposal Permit Number:

N/A

Kentucky DOW Operational Permit #:

Kentucky DSMRE Permit Number(s):

807-8005

N/A

C. Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source	N/A	
Solid or Special Waste	N/A	
Hazardous Waste - Registration or Permit	N/A	

**VI. DISCHARGE MONITORING REPORTS (DMRs)**

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). The information in this section serves to specifically identify the department, office or individual you designate as responsible for submitting DMR forms to the Division of Water.

A. Name of department, office or official submitting DMRs:	Technical Water Laboratories, Inc.
B. Address where DMR forms are to be sent. (Complete only if address is different from mailing address in Section I.)	
DMR Mailing Name:	DNR/Middlesboro Regional Office
DMR Mailing Street:	1804 East Cumberland Avenue
DMR Mailing City, State, Zip Code:	Middlesboro, KY 40965
DMR Official Telephone Number:	606-248-6166

## VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category:

Filing Fee Enclosed:

Major Industry

\$640.00

## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):

TELEPHONE NUMBER (area code and number):

Gary Asher, President

606-248-1535

SIGNATURE

DATE:

*Gary Asher*

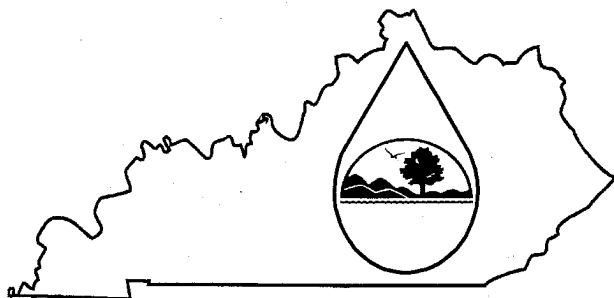
*1-25-08*

# KPDES FORM C

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

JAN 28 2008

### PERMIT APPLICATION



A complete application consists of this form and Form 1.  
For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Appolo Fuels, Inc.				County: Bell			
<b>I. OUTFALL LOCATION</b>				AGENCY USE			

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
Same as Original							

### II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1
Same as Original				

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)**

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ Yes (Complete the following table.)

☒ No (Go to Section III.)

OUTFALL NUMBER	OPERATIONS CONTRIBUTING FLOW	FREQUENCY		FLOW				
		Days Per Week	Months Per Year	Flow Rate (in mgd)		Total volume (specify with units)		Duration (in days)
				Long-Term Average	Maximum Daily	Long-Term Average	Maximum Daily	
(list)	(list)	(specify average)	(specify average)					

**III. MAXIMUM PRODUCTION**

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ Yes (Complete Item III-B) List effluent guideline category:

☒ No (Go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures of operation)?

☐ Yes (Complete Item III-C)

☒ No (Go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

MAXIMUM QUANTITY			Affected Outfalls (list outfall numbers)
Quantity Per Day	Units of Measure	Operation, Product, Material, Etc. (specify)	

**IV. IMPROVEMENTS**

A. Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

☐ Yes (Complete the following table)

☒ No (Go to Item IV-B)

IDENTIFICATION OF CONDITION AGREEMENT, ETC.	AFFECTED OUTFALLS		BRIEF DESCRIPTION OF PROJECT	FINAL COMPLIANCE DATE	
	No.	Source of Discharge		Required	Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

## V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

POLLUTANT	SOURCE	POLLUTANT	SOURCE
N/A			

## VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you use or produce, or expect to use or produce over the next 5 years as an immediate or final product or byproduct?

☐

Yes (List all such pollutants below)

☒

No (Go to Item VI-B)

--

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharge of pollutants may during the next 5 years exceed two times the maximum values reported in Item V?

☐

Yes (Complete Item VI-C)

☒

No (Go to Item VII)

C. If you answered "Yes" to Item VI-B, explain below and describe in detail to the best of your ability at this time the sources and expected levels of such pollutants which you anticipate will be discharged from each outfall over the next 5 years. Continue on additional sheets if you need more space.

--

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge of or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (Identify the test(s) and describe their purposes below)

☒ No (Go to Section VIII)

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

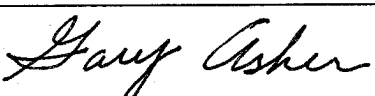
☐ Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below)

☒ No (Go to Section IX)

NAME	ADDRESS	TELEPHONE (Area code & number)	POLLUTANTS ANALYZED (list)

**IX. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print): Gary Asher, President	TELEPHONE NUMBER (area code and number): 606-248-1535
SIGNATURE 	DATE 1-25-08

**PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY.** You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. (See instructions)

V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)										OUTFALL NO.		
Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.												
1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No of Analyses
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)	12.0	Mg/l										
e. Ammonia (as N)												
f. Flow (in units of MGD)	VALUE		VALUE		VALUE			MGD		VALUE		
g. Temperature (winter)	VALUE 41.2		VALUE		VALUE			°C		VALUE		
h. Temperature (summer)	VALUE 74		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 6.43	MAXIMUM 8.43	MINIMUM 7.0	MAXIMUM 7.81				STANDARD UNITS				



Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		6. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
			(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
a. Bromide (24959-67-9)		X												
b. Bromine Total Residual		X												
c. Chloride		X												
d. Chlorine, Total Residual		X												
e. Color		X												
f. Fecal Coliform		X												
g. Fluoride (16984-48-8)		X												
h. Hardness (as CaCO <sub>3</sub> )	X		327	Mg/L										
i. Nitrate – Nitrite (as N)		X												
j. Nitrogen, Total Organic (as N)		X												
k. Oil and Grease		X												
l. Phosphorous (as P), Total 7723-14-0		X												
m. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium Total		X												
(4) Radium, 226, Total		X												

Part B - Continued														
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
			(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
			Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)			78	Mg/l										
o. Sulfide (as S)		X												
p. Sulfite (as SO <sub>3</sub> ) (14286-46-3)		X												
q. Surfactants		X												
r. Aluminum, Total (7429-90)		X												
s. Barium, Total (7440-39-3)		X												
t. Boron, Total (7440-42-8)		X												
u. Cobalt, Total (7440-48-4)		X												
v. Iron, Total (7439-89-6)	X		7.0	Mg/	3.5	Mg/								
w. Magnesium Total (7439-96-4)		X												
x. Molybdenum Total (7439-98-7)		X												
y. Manganese, Total (7439-96-6)	X		4.0	Mg/	2.0	Mg/								
z. Tin, Total (7440-31-5)		X												
aa. Titanium, Total (7440-32-6)		X												

**Part C** – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark “X” in the **Testing Required** column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (*secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions*), mark “X” in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark “X” in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

Use instructions (on reverse pages) for each column. See instructions for additional details and requirements.																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
METALS, CYANIDE AND TOTAL PHENOLS																
1M. Antimony Total (7440-36-0)	X			0.003	Mg/L											
2M. Arsenic, Total (7440-38-2)	X			0.001	Mg/L											
3M. Beryllium Total (7440-41-7)	X			0.003	Mg/L											
4M. Cadmium Total (7440-43-9)	X			0.003	Mg/L											
5M. Chromium Total (7440-43-9)	X			0.002	Mg/L											
6M. Copper Total (7550-50-8)	X			0.01	Mg/L											
7M. Lead Total (7439-92-1)	X			0.002	Mg/L											
8M. Mercury Total (7439-97-6)	X			0.001	Mg/L											
9M. Nickel, Total (7440-02-0)	X			0.01	Mg/L											
10M. Selenium, Total (7782-49-2)	X			0.002	Mg/L											
11M. Silver, Total (7440-28-0)	X			0.01	Mg/L											

**Part C – Continued**

1. POLLUTANT And CAS NO. (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)					
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses				
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass					
<b>METALS, CYANIDE AND TOTAL PHENOLS (Continued)</b>																			
12M. Thallium, Total (7440-28-0)	X			0.1	Mg/L														
13M. Zinc, Total (7440-66-6)	X			0.004	Mg/L														
14M. Cyanide, Total (57-12-5)	X			0.01	Mg/L														
15M. Phenols, Total	X			0.01	Mg/L														
<b>DIOXIN</b>																			
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin (1784-01-6)			X	DESCRIBE RESULTS:															
<b>GC/MS FRACTION – VOLATILE COMPOUNDS</b>																			
1V. Acrolein (107-02-8)			X																
2V. Acrylonitrile (107-13-1)			X																
3V. Benzene (71-43-2)			X																
5V. Bromoform (75-25-2)			X																
6V. Carbon Tetrachloride (56-23-5)			X																
7V. Chloro- benzene (108-90-7)			X																
8V. Chlorodibro- momethane (124-48-1)			X																

Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
9V. Chloroethane (74-00-3)			X												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-71-8)			X												
14V. 1,1- Dichloroethane (75-34-3)			X												
15V. 1,2- Dichloroethane (107-06-2)			X												
16V. 1,1- Dichlorethylene (75-35-4)			X												
17V. 1,2-Di- chloropropane (78-87-5)			X												
18V. 1,3- Dichloropro- pylene (452-75-6)			X												
19V. Ethyl- benzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												

Part C -- Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass	
21V. Methyl Chloride (74-87-3)			X												
22V. Methylene Chloride (75-00-2)			X												
23V. 1,1,2,2- Tetrachloro- ethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloro- ethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloro- ethylene (79-01-6)			X												
30V. Vinyl Chloride (75-01-4)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass				(1) Concentration	(2) Mass		
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chloro-phenol (95-57-8)			X													
2A. 2,4-Dichloro-phenol (120-83-2)			X													
3A. 2,4-Dimethylphenol (105-67-9)			X													
4A. 4,6-Dinitro-o-cresol (534-52-1)			X													
5A. 2,4-Dinitro-phenol (51-28-5)			X													
6A. 2-Nitro-phenol (88-75-5)			X													
7A. 4-Nitro-phenol (100-02-7)			X													
8A. P-chloro-m-cresol (59-50-7)			X													
9A. Pentachloro-phenol (87-88-5)			X													
10A. Phenol (108-05-2)			X													
11A. 2,4,6-Trichlorophenol (88-06-2)			X													
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
2B. Acena- phtylene (208-96-8)			X													
3B. Anthra- cene (120-12-7)			X													
4B. Benzidine (92-87-5)			X													
5B. Benzo(a)- anthracene (56-55-3)			X													
6B. Benzo(a)- pyrene (50-32-8)			X													
7B. 3,4-Benzo- fluoranthene (205-99-2)			X													
8B. Benzo(ghi) perylene (191-24-2)			X													
9B. Benzo(k)- fluoranthene (207-08-9)			X													
10B. Bis(2- chlor- oethoxy)- methane (111-91-1)			X													
11B. Bis (2-chlor- oisopropyl)- Ether			X													
12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)			X													



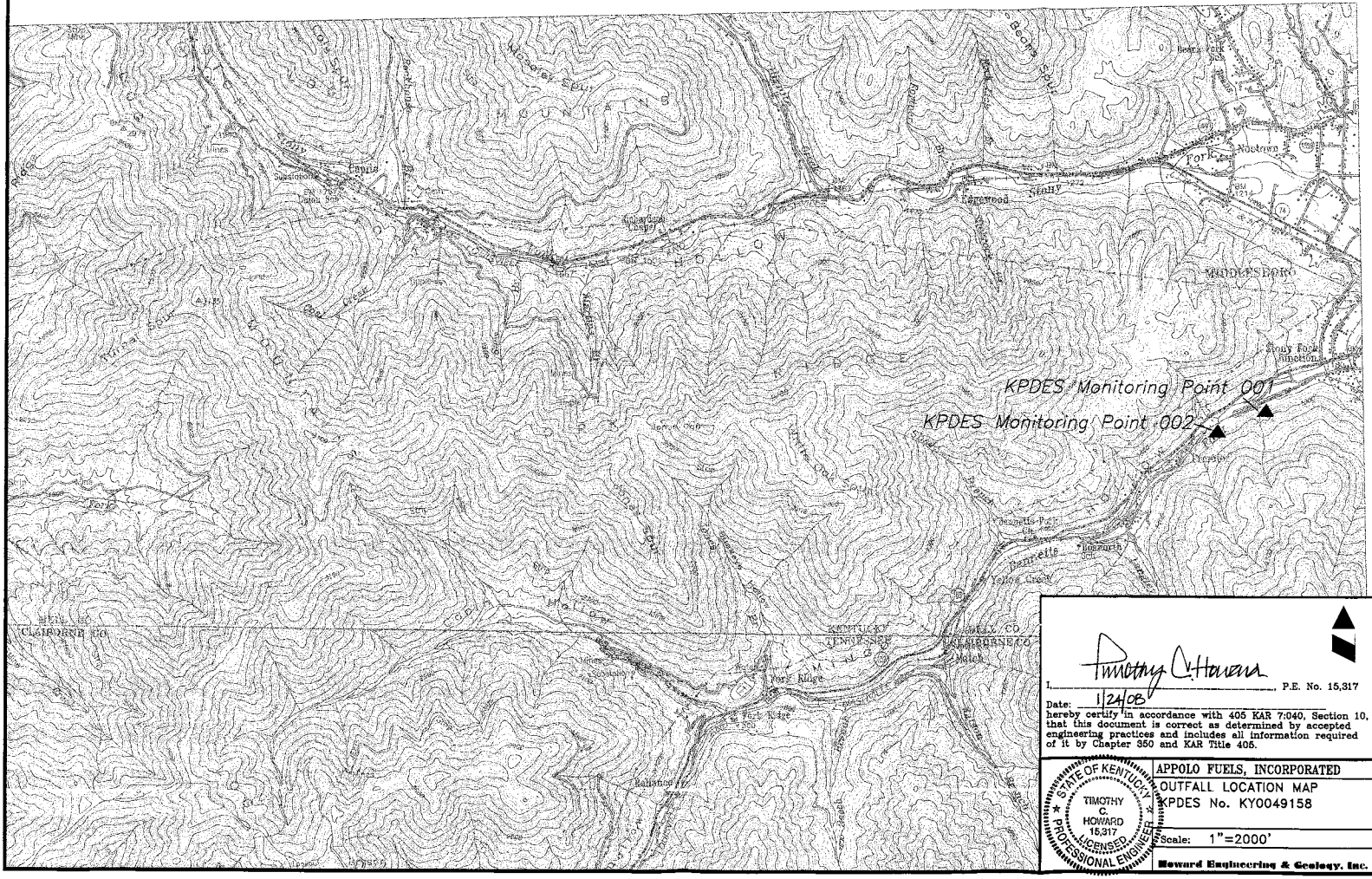
Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
13B. 4-Bromo-phenyl Phenyl ether (101-55-3)			X													
14B. Butyl-benzyl phthalate (85-68-7)			X													
15B. 2-Chloro-naphthalene (7005-72-3)			X													
16B. 4-Chloro-phenyl phenyl ether (7005-72-3)			X													
17B. Chrysene (218-01-9)			X													
18B. Dibenzo-(a,h) Anthracene (53-70-3)			X													
19B. 1,2-Dichloro-benzene (95-50-1)			X													
20B. 1,3-Dichloro-Benzene (541-73-1)			X													
21B. 1,4-Dichloro-benzene (106-46-7)			X													
22B. 3,3-Dichloro-benzidene (91-94-1)			X													
23B. Diethyl Phthalate (84-66-2)			X													

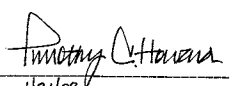
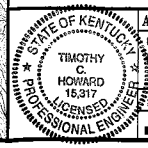
Part C – Continued															
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)															
24B. Dimethyl Phthalate (131-11-3)			X												
25B. Di-N- butyl Phthalate (84-74-2)			X												
26B. 2,4-Dinitro- toluene (121-14-2)			X												
27B. 2,6-Dinitro- toluene (606-20-2)			X												
28B. Di-n-octyl Phthalate (117-84-0)			X												
29B. 1,2- diphenyl- hydrazine (as azonbenzene) (122-66-7)			X												
30B. Fluoranthene (208-44-0)			X												
31B. Fluorene (86-73-7)			X												
32B. Hexachloro- benzene (118-71-1)			X												
33B. Hexachloro- butadiene (87-68-3)			X												
34B. Hexachloro- cyclopenta- diene (77-47-4)			X												

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)																
35B. Hexachlo- roethane (67-72-1)			X													
36B. Indneo- (1,2,3-oc)- Pyrene (193-39-5)			X													
37B. Isophorone (78-59-1)			X													
38B. Napthalene (91-20-3)			X													
39B. Nitro- benzene (98-95-3)			X													
40B. N-Nitroso- dimethyl- amine (62-75-9)			X													
41B. N-nitrosodi-n- propylamine (621-64-7)			X													
42B. N-nitro- sodiphenyl- amine (86-30-6)			X													
43B. Phenan- threne (85-01-8)			X													
44B. Pyrene (129-00-0)			X													
45B. 1,2,4 Tri- chloro- benzene (120-82-1)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg. Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass		
GC/MS FRACTION – PESTICIDES																
1P. Aldrin (309-00-2)			X													
2P. α-BHC (319-84-6)			X													
3P. β-BHC (58-89-9)			X													
4P. gamma-BHC (58-89-9)			X													
5P. δ-BHC (319-86-8)			X													
6P. Chlordane (57-74-9)			X													
7P. 4,4'-DDT (50-29-3)			X													
8P. 4,4'-DDE (72-55-9)			X													
9P. 4,4'-DDD (72-54-8)			X													
10P. Dieldrin (60-57-1)			X													
11P. α- Endosulfan (115-29-7)			X													
12P. β- Endosulfan (115-29-7)			X													
13P. Endosulfan Sulfate (1031-07-8)			X													
14P. Endrin (72-20-8)			X													

Part C – Continued																
1. POLLUTANT And CAS NO.  (if available)	2. MARK “X”			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. Testing Required	a. Believed Present	b. Believed Absent	a. Maximum Daily Value		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		d. No. of Analyses	a. Concentration	b. Mass	a. Long-Term Avg Value		b. No. of Analyses	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				Concentration	Mass	Concentration	Mass	Concentration	Mass				Concentration	Mass	Concentration	Mass
GC/MS FRACTION – PESTICIDES																
15P. Endrin Aldehyde (7421-93-4)			X													
16P. Heptachlor (76-44-8)			X													
17P. Heptachlor Epoxide (1024-57-3)			X													
18P. PCB-1242 (53469-21-9)			X													
19P. PCB-1254 (11097-69-1)			X													
20P. PCB-1221 (11104-28-2)			X													
21P. PCB-1232 (11141-16-5)			X													
22P. PCB-1248 (12672-29-6)			X													
23P. PCB-1260 (11096-82-5)			X													
24P. PCB-1016 (12674-11-2)			X													
25P. Toxaphene (8001-35-2)			X													



 P.E. No. 15,317	
Date: 1/24/08 hereby certify in accordance with 405 KAR 7:040, Section 10, that this document is correct as determined by accepted engineering practices and includes all information required of it by Chapter 350 and KAR Title 405.	
	APPOLO FUELS, INCORPORATED
	OUTFALL LOCATION MAP
	KPDES No. KY0049158
Scale: 1"=2000'	
Howard Engineering & Geology, Inc.	